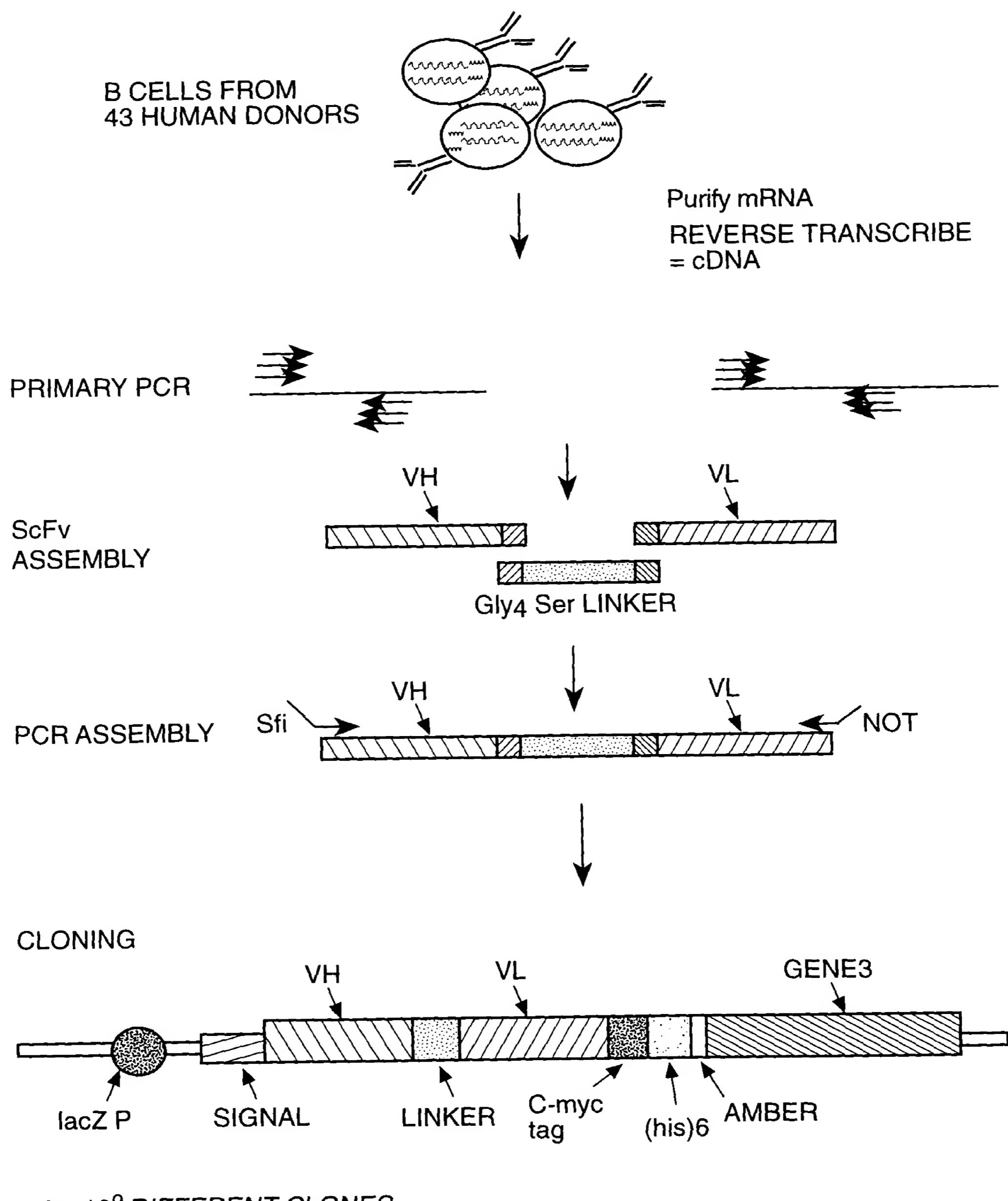


	VH	F1	CDR1	F2		
10F6	1 MAQVQLQESGGEMKKPGESLKISCKGYGYSFATSWIGWVRQMPGRGLEWM					
5E5	1 MAEVQLVQSGGLVKPGGLRLSCAASGFTFSDYYMSWIRQAPGKGLEWV					
10D10	1 MAEVQLVQSGGGVVQPGGLSLSCAVSGITLRTYGMHWVRQAPGKGLEWV					
12B5	1 MAQVQLVQSGGLVRPGGLSLSCAVSGITLRTYGMHWVRQAPGKGLEWV					
12D5	1 MAQVQLVESGGLVKPGGLRLSCAASGFTFSSHNMNWVRQAPGKGLEWV					
12E10	1 MAQVQLQQSGPGLVKPSETLSLTCTVSGDSISSYYWSWIRQPPGKGLEWI					
	CDR2	F3	CDR3	F4	VL	F1
10F6	51 AIMYPGNSDTRHNPSFEDQVTMSADTSINTAYLQWSSLKASDTAMYCAR		101 AGVAGGAFDLWGKGTMTVSSGGGGSGGGGSQSVLTQ-PASVSGS			
5E5	51 SYISSLGSIYADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCAR		101 -WSGEDAFDIWGQGTMTVSSGGGGSGGGGSQSVLTQ-PASVSGS			
10D10	51 AGISFDGRSEYYADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCAR		101 -DRGSYGMWDWGRGTMVTVSSGGGGSGGGGSQSVLTQ-PASVSGS			
12B5	51 AGISFDGRSEYYADSVQGRFTISRDSSKNTLYLQMNSLRAEDTAVYYCAR		101 -G-AHYGFDIWGQGTMTVSSGGGGTGGGGSQSVLTQ-PASVSGS			
12D5	51 SSISSSSYIYYADSVKGRFTISRDNAKNSLYLQMNSLRAEDTAVYYCAR		101 -DRGSTGMDWGRGTLVTVSSGGGGSGGGGSQSVLTQ-PASVSGS			
12E10	51 GYIYYSGS-TNYNPSLKSRTVISVDTSKSQFSKLSSVTAADTAVYYCAR		100 ----GRYFDWGRGTMVTVSSGGGGSGGGGSQSVLTQ-PPSVSGS			
	CDR1	F2	CDR2	F3	CDR3	F4
10F6	150 PGQSITISCTGTSSGVGGYNYVS	WYQQHPGKAPKLLIYGNNSRPGVPDR	150 PGQSITISCTGTSSDVGGYNYVS	WYQQHPGKAPKLLIYEGSKRPGVGSR		
5E5	150 VGDRVAITCRASE---	GIYHWLAWYQQKPGKAPKLLIYKASSLASGAPSR	150 VGDRVAITCRASE---	GIYHWLAWYQQKPGKAPKLLIYKASSLASGAPSR		
10D10	150 IGDRVVTITCRASE---	GIYHWLAWYQQKPGKAPKLLIYKASSLASGAPSR	149 IGDRVVTITCRASE---	GIYHWLAWYQQKPGKAPKLLIYKASSLASGAPSR		
12B5	150 IGDRVVTITCRASE---	GIYHWLAWYQQKPGKAPKLLIYKASSLASGAPSR	150 IGDRVVTITCRASE---	GIYHWLAWYQQKPGKAPKLLIYKASSLASGAPSR		
12D5	145 PGQSITISCTGTSSDVGGYNYVS	WYQQHPGKAPKLLIYEGSKRPGVGSR	145 PGQSITISCTGTSSDVGGYNYVS	WYQQHPGKAPKLLIYEGSKRPGVGSR		
12E10						
	CDR1	F2	CDR2	F3	CDR3	F4
10F6	200 FSASKSGNTASLTISGLQAEDeadyFC	STYAPPGIIMFGGGTKLTVLGAA	197 FSGSGSGADFTLTISLQPDDFATYYCQQYSNYPL	TFGGGTKLEVRAA		
5E5	197 FSGSGSGADFTLTISLQPDDFATYYCQQYSNYPL	TFGGGTKLEVRAA	197 FSGSGSGTDFTLTISLQPDDFATYYCQQYSNYPL	TFGGGTKLEILRAA		
10D10	197 FSGSGSGTDFTLTISLQPDDFATYYCQQYSNYPL	TFGGGTKLEILRAA	196 FSGSGSGTDFTLTISLQPDDFATYYCQQYSNYPL	TFGGGTELEIKRAA		
12B5	196 FSGSGSGTDFTLTISLQPDDFATYYCQQYSNYPL	TFGGGTELEIKRAA	197 FSGSGSGTDFTXTISLQPDDFATYYCQQYSNYPL	TFGGGTKLEIKRAA		
12D5	197 FSGSGSGTDFTXTISLQPDDFATYYCQQYSNYPL	TFGGGTKLEIKRAA	195 FSGSKSGNTASLTISGLQAEDeadyyCQSSYTRSTRV	TFGGGTKLTVLGAA		
12E10	195 FSGSKSGNTASLTISGLQAEDeadyyCQSSYTRSTRV	TFGGGTKLTVLGAA				

FIG._1

**FIG.-2**

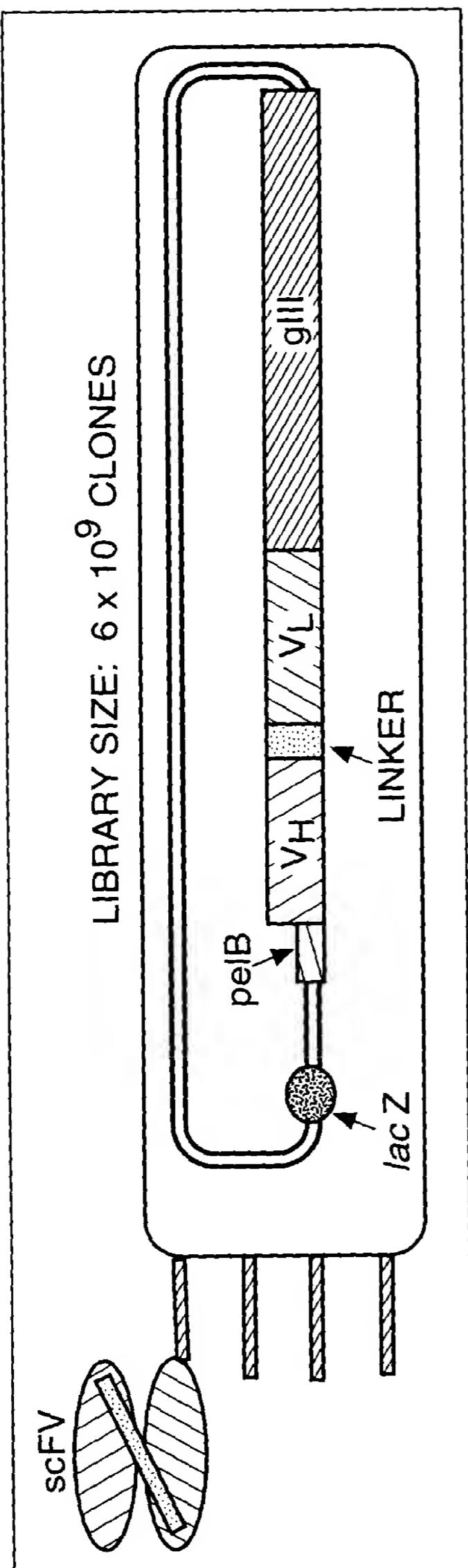


FIG. 3

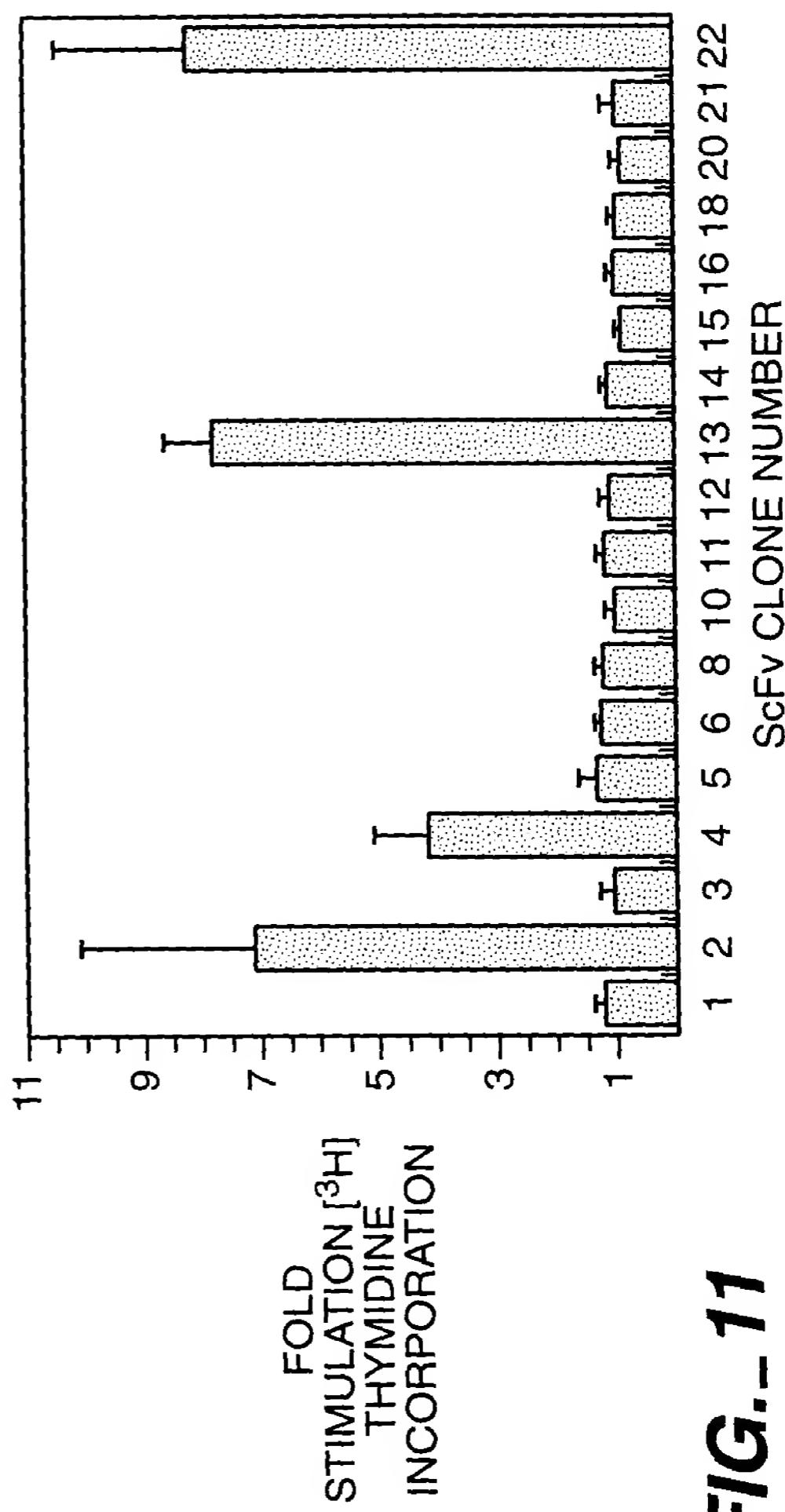


FIG. 11

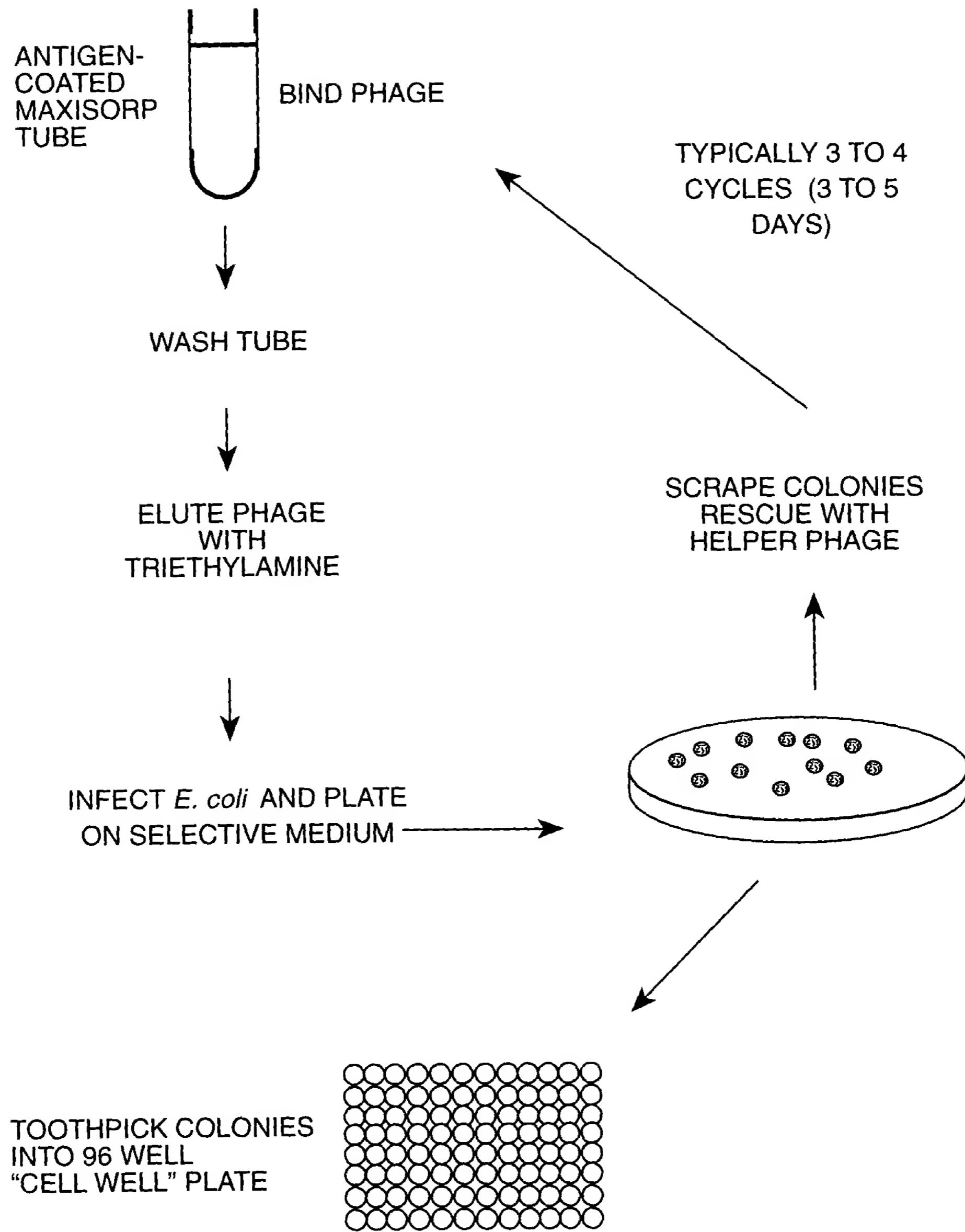
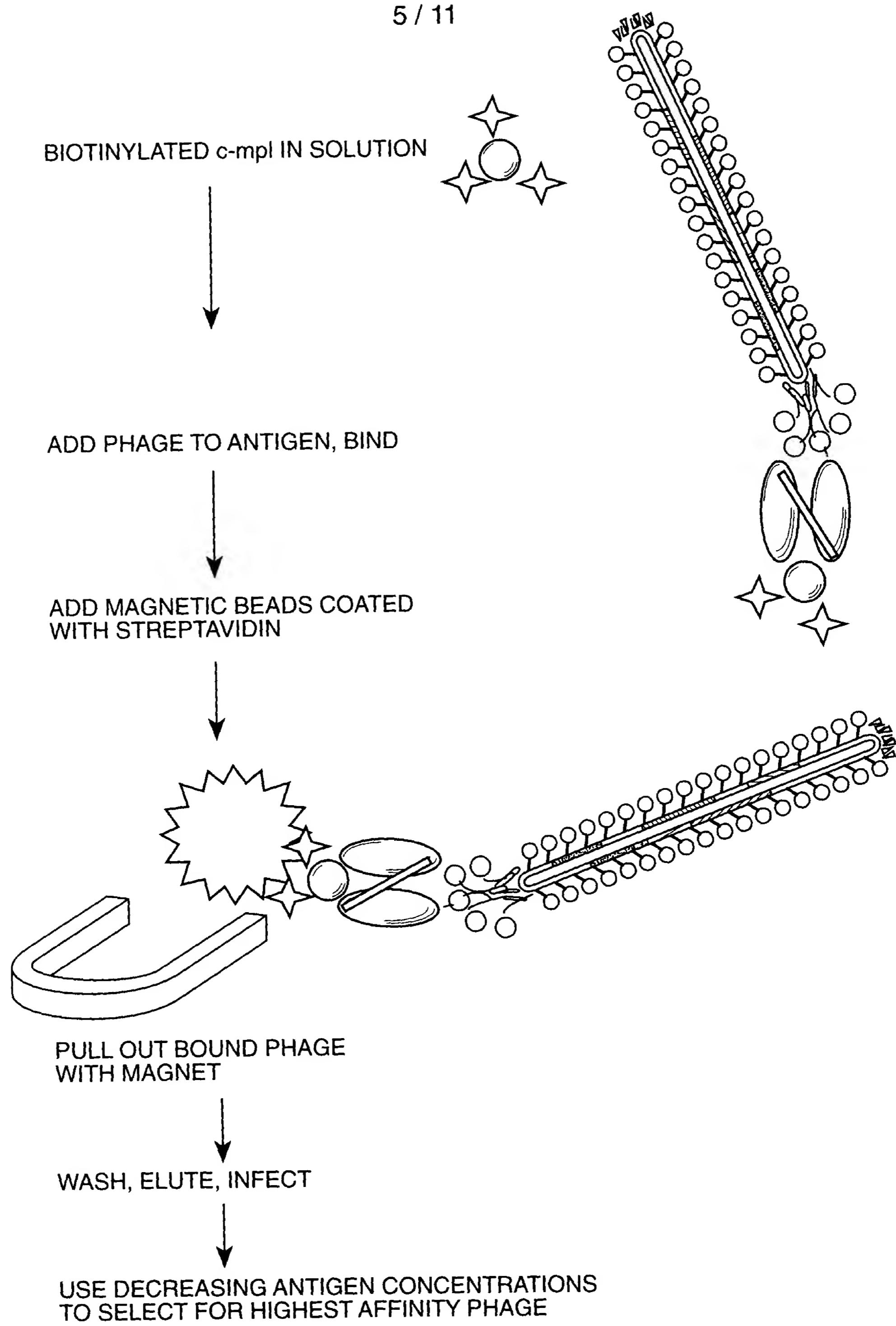


FIG._4

**FIG._5**

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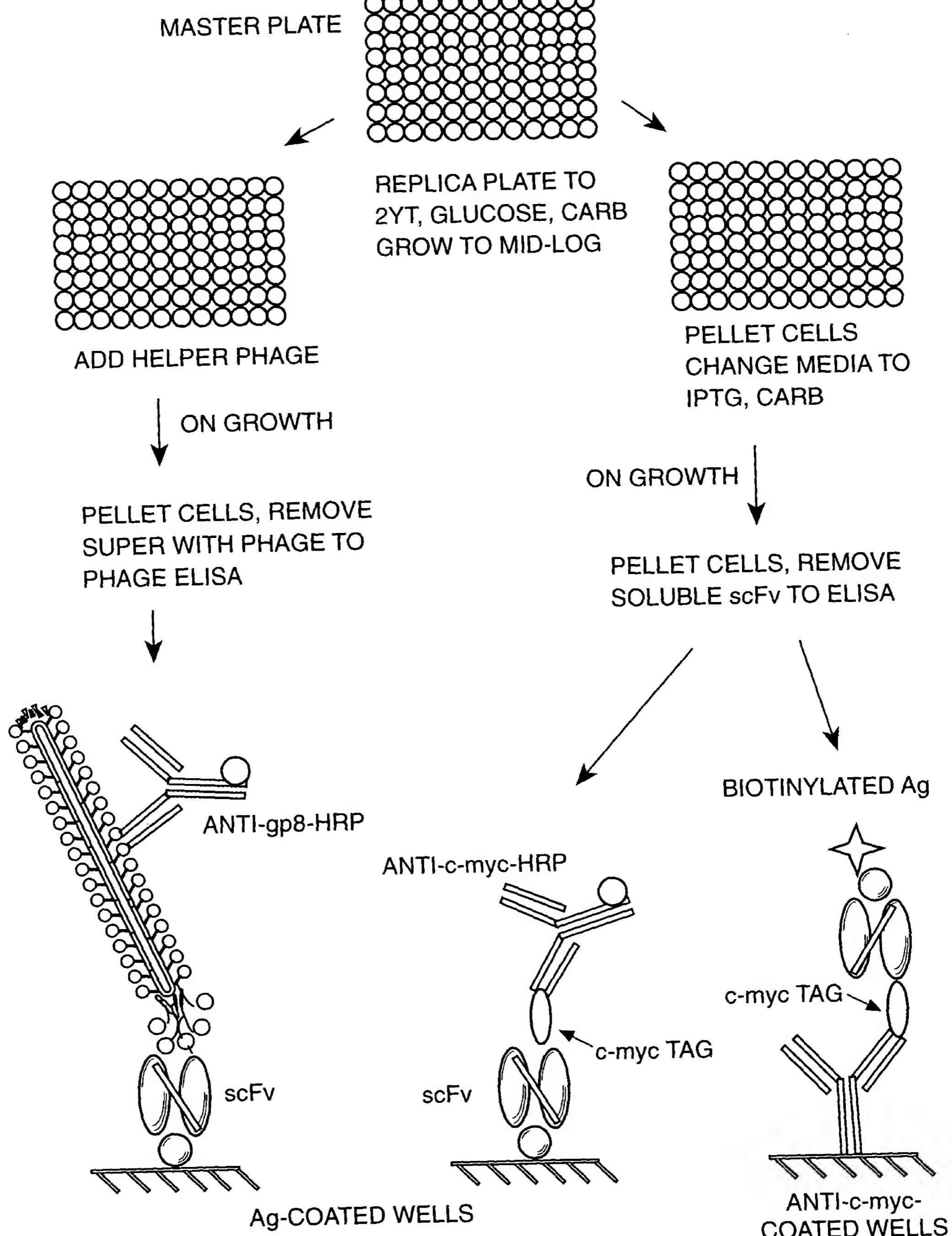
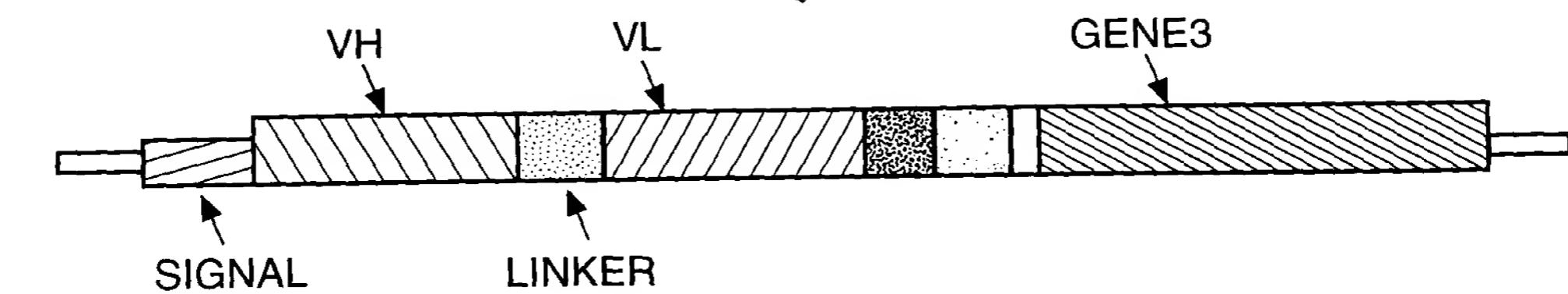


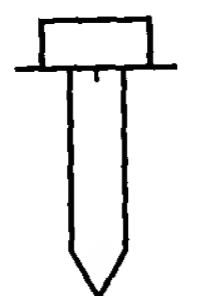
FIG._6

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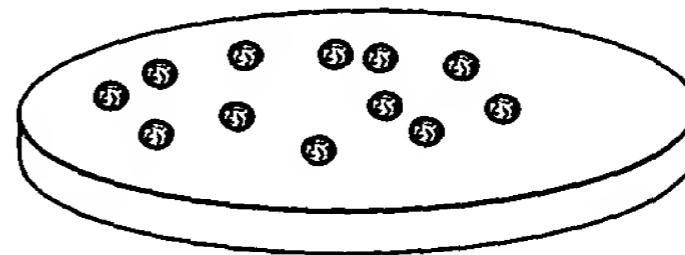
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A → ← B



PCR MIX
CONTAINING PRIMERS
A AND B



ADD TINY AMOUNT OF
E. coli FROM COLONIES

1Kb BAND IS SEEN ON AGAROSE GEL

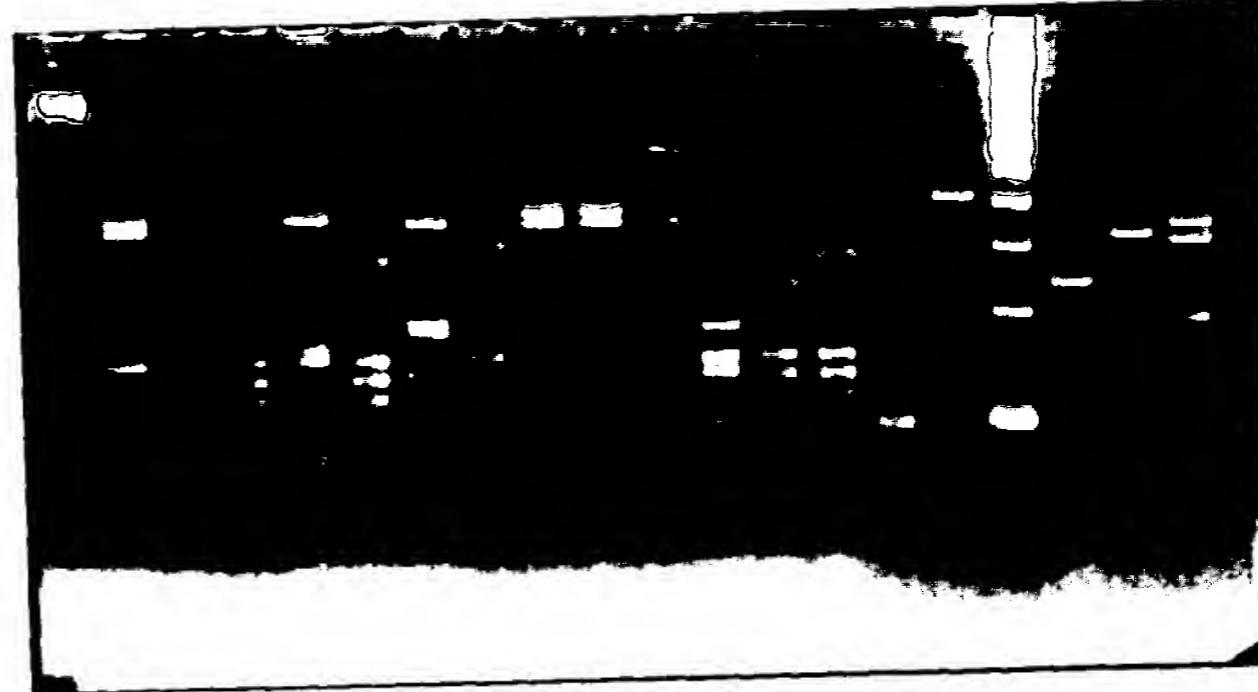
DIGEST WITH RESTRICTION ENZYME *Bst*NI

ANALYZE PRODUCTS ON 3% AGAROSE GEL

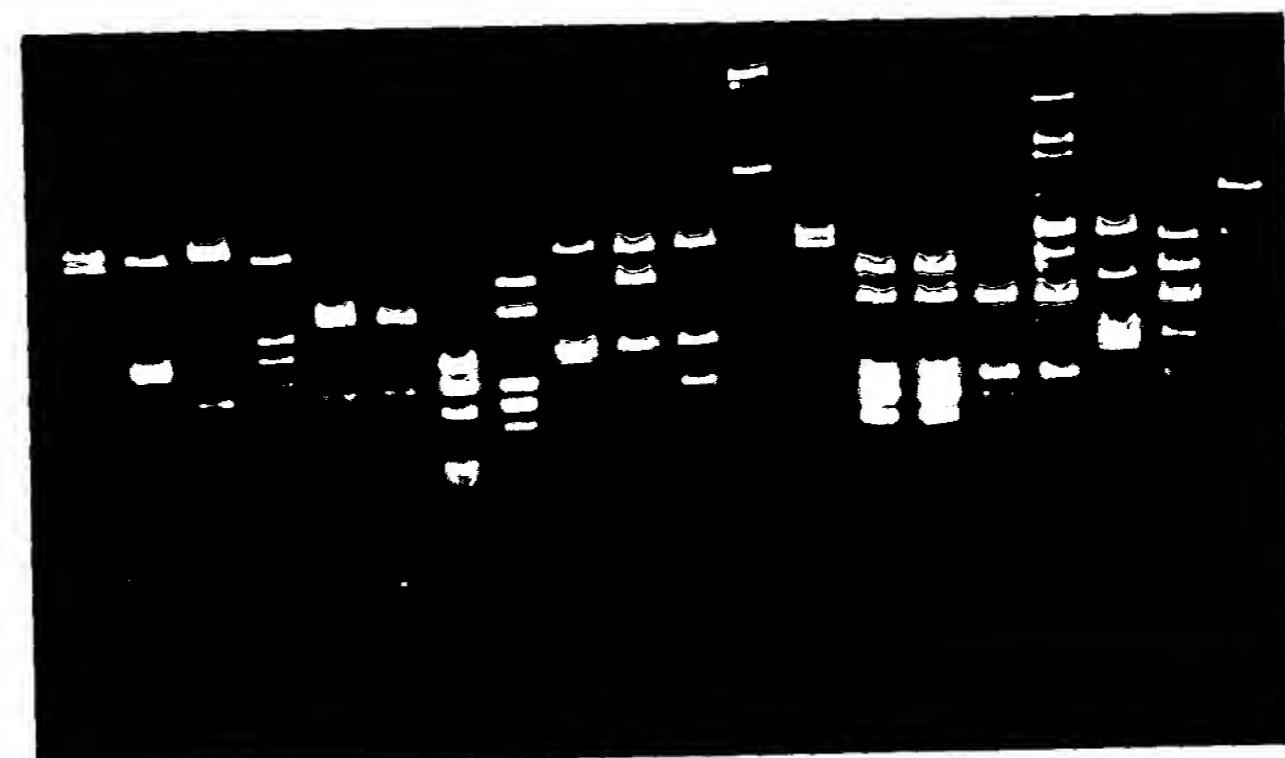
FIG._7

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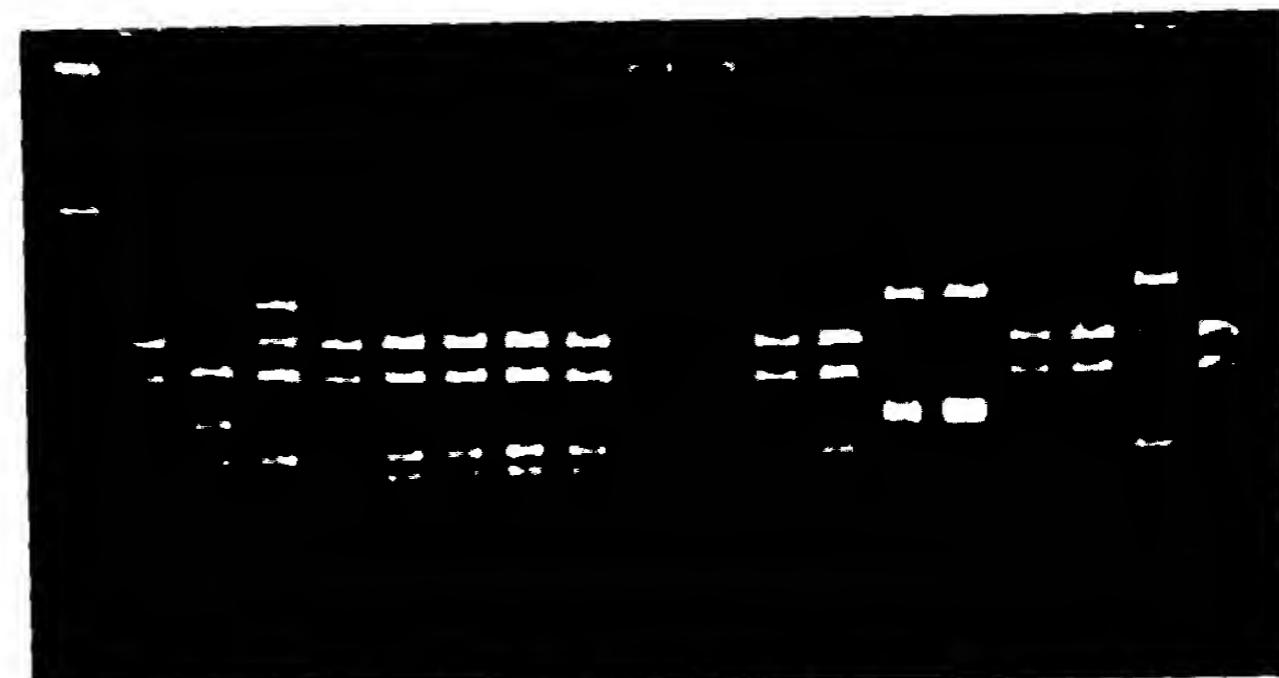
12 B2
 12 B5
 12 B7
 12 B8
 12 D5
 12 D9
 12 E9
 12 E10
 12 F1
 12 F2
 15 A1
 15 A3
 15 A5
 15 A6
 15 B5
 16 C6
 M

**FIG._8A**

9 A7
 9 A10
 9 B6
 9 D2
 9 D8
 9 E4
 9 G12
 9 H5
 9 H6
 9 A2
 9 E4
 M
 10 A2
 10 A4
 10 A8
 10 B2
 15 D8
 15 G1
 15 H3

**FIG._8B**

M 13 A3
 13 A8
 13 A12
 13 B4
 13 B6
 13 B10
 13 B11
 13 C2
 M 13 C5
 13 C7
 13 C9
 13 D6
 13 D9
 13 E8
 13 E11
 13 F1

**FIG._8C**

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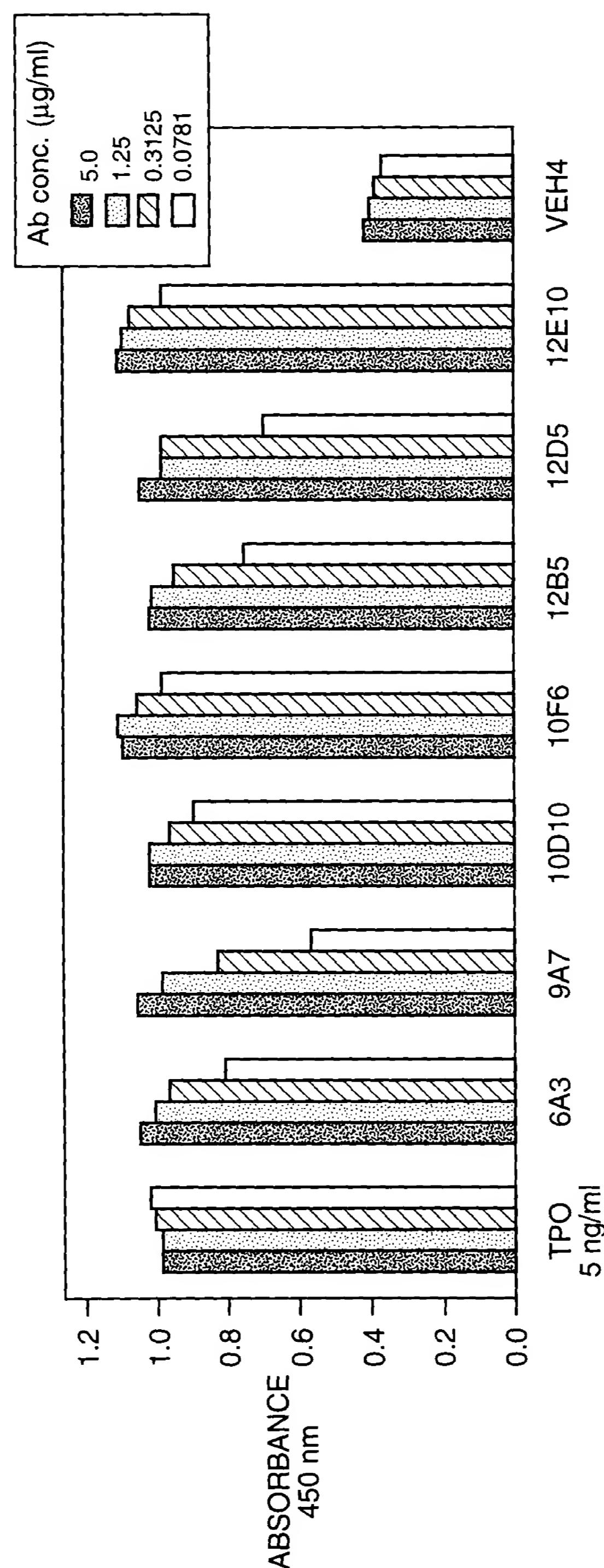
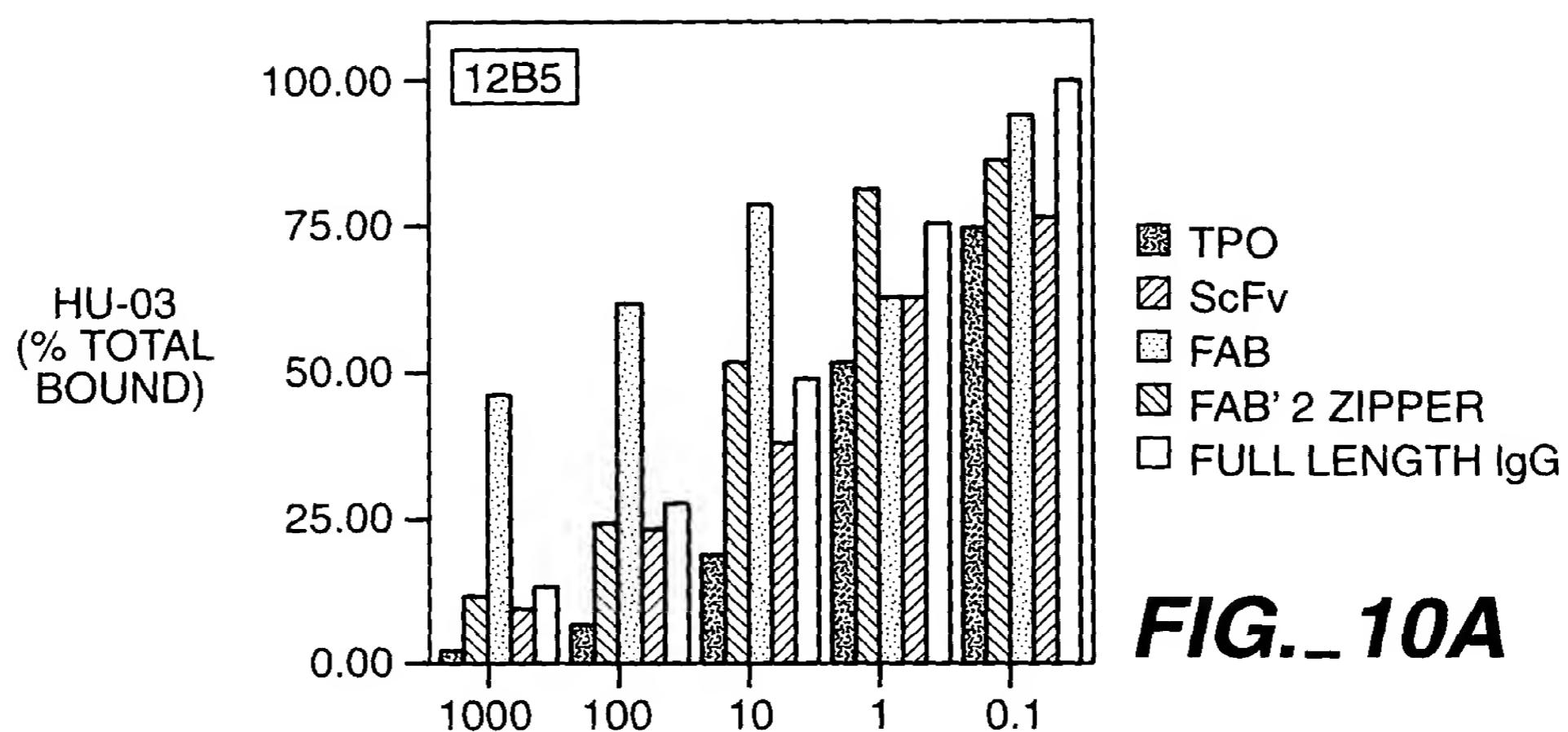
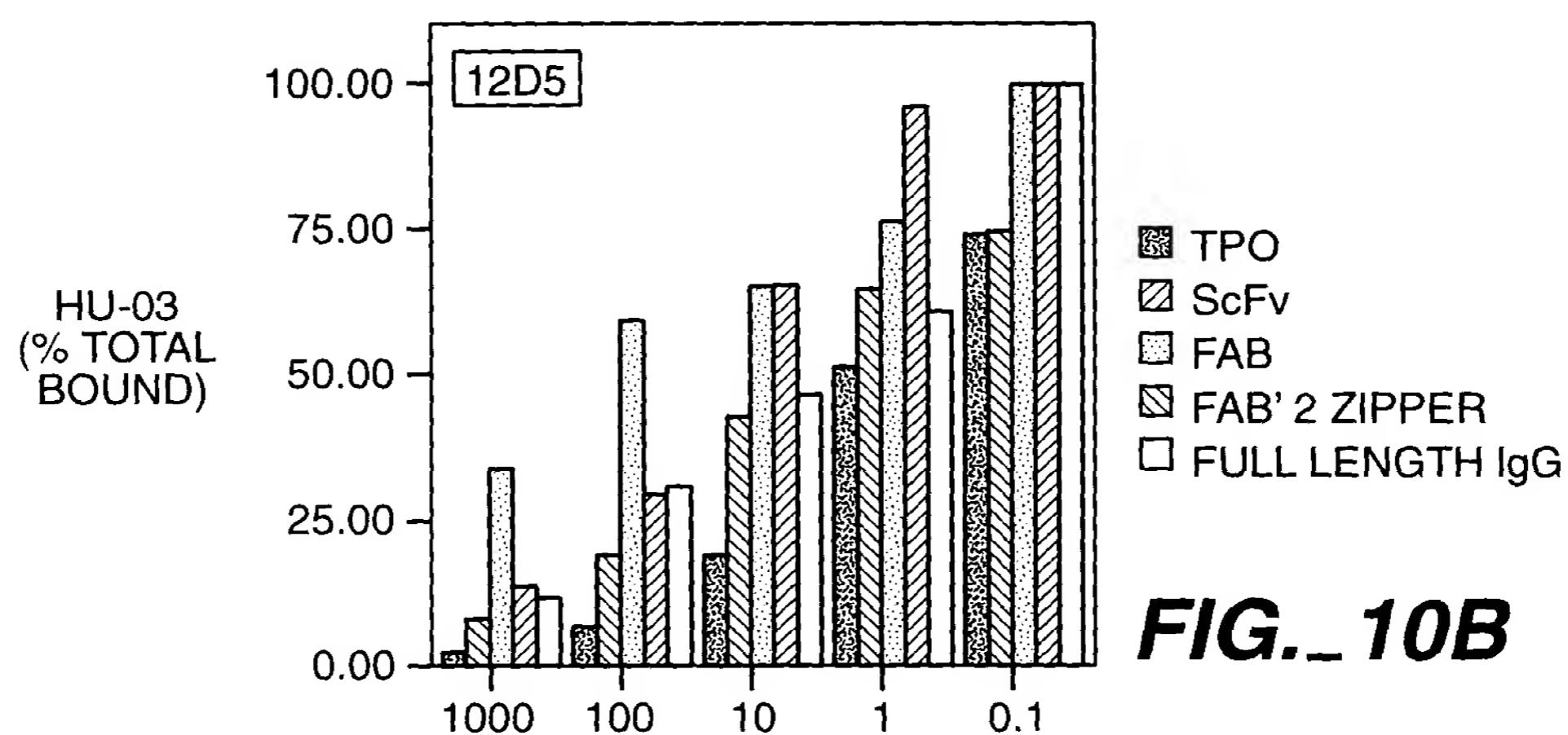
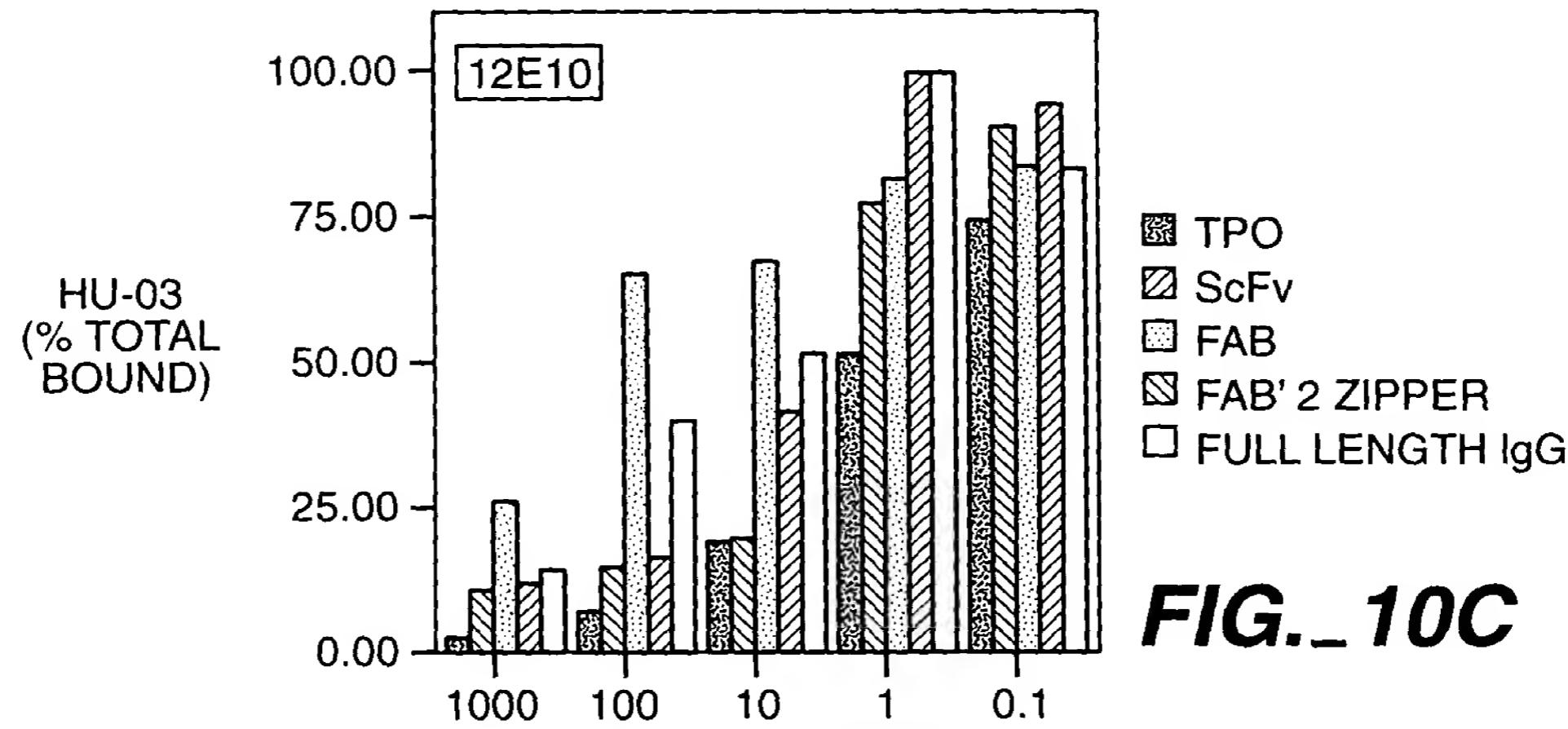


FIG. 9

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**FIG._ 10A****FIG._ 10B****FIG._ 10C**

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